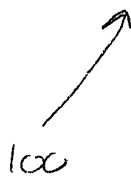


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Climatic data		Soil data		Plant data		Insect data		Bird data		Mammal data		Reptile data		Amphibian data	
Variable	Unit	Variable	Unit	Variable	Unit	Variable	Unit	Variable	Unit	Variable	Unit	Variable	Unit	Variable	Unit
Temperature	°C	Soil pH		Plant height	m	Insect abundance	count	Bird abundance	count	Mammal abundance	count	Reptile abundance	count	Amphibian abundance	count
Humidity	%	Soil moisture	%	Plant biomass	g	Insect diversity	index	Bird diversity	index	Mammal diversity	index	Reptile diversity	index	Amphibian diversity	index
Light intensity	lux	Soil texture	cm	Plant density	m ⁻²	Insect biomass	g	Bird biomass	g	Mammal biomass	g	Reptile biomass	g	Amphibian biomass	g
Wind speed	m/s	Soil depth	cm	Plant species richness	count	Insect species richness	count	Bird species richness	count	Mammal species richness	count	Reptile species richness	count	Amphibian species richness	count
Cloud cover	%	Soil temperature	°C	Plant functional group	count	Insect functional group	count	Bird functional group	count	Mammal functional group	count	Reptile functional group	count	Amphibian functional group	count
Soil temperature	°C	Soil nutrient	mg/kg	Plant life span	yr	Insect life span	yr	Bird life span	yr	Mammal life span	yr	Reptile life span	yr	Amphibian life span	yr
Soil moisture	%	Soil organic matter	%	Plant seed bank	count	Insect seed bank	count	Bird seed bank	count	Mammal seed bank	count	Reptile seed bank	count	Amphibian seed bank	count
Soil texture	cm	Soil bulk density	g/cm ³	Plant root length	cm	Insect root length	cm	Bird root length	cm	Mammal root length	cm	Reptile root length	cm	Amphibian root length	cm
Soil depth	cm	Soil porosity	%	Plant leaf area	cm ²	Insect leaf area	cm ²	Bird leaf area	cm ²	Mammal leaf area	cm ²	Reptile leaf area	cm ²	Amphibian leaf area	cm ²
Soil temperature	°C	Soil water potential	MPa	Plant chlorophyll content	index	Insect chlorophyll content	index	Bird chlorophyll content	index	Mammal chlorophyll content	index	Reptile chlorophyll content	index	Amphibian chlorophyll content	index
Soil moisture	%	Soil electrical conductivity	µS/cm	Plant stomatal conductance	µmol/m ² /s	Insect stomatal conductance	µmol/m ² /s	Bird stomatal conductance	µmol/m ² /s	Mammal stomatal conductance	µmol/m ² /s	Reptile stomatal conductance	µmol/m ² /s	Amphibian stomatal conductance	µmol/m ² /s
Soil texture	cm	Soil cation exchange capacity	cmol/kg	Plant photosynthetic rate	µmol/m ² /s	Insect photosynthetic rate	µmol/m ² /s	Bird photosynthetic rate	µmol/m ² /s	Mammal photosynthetic rate	µmol/m ² /s	Reptile photosynthetic rate	µmol/m ² /s	Amphibian photosynthetic rate	µmol/m ² /s
Soil depth	cm	Soil total nitrogen	g/kg	Plant transpiration rate	mmol/m ² /s	Insect transpiration rate	mmol/m ² /s	Bird transpiration rate	mmol/m ² /s	Mammal transpiration rate	mmol/m ² /s	Reptile transpiration rate	mmol/m ² /s	Amphibian transpiration rate	mmol/m ² /s
Soil temperature	°C	Soil total phosphorus	g/kg	Plant water use efficiency	g/g	Insect water use efficiency	g/g	Bird water use efficiency	g/g	Mammal water use efficiency	g/g	Reptile water use efficiency	g/g	Amphibian water use efficiency	g/g
Soil moisture	%	Soil available nitrogen	g/kg	Plant nitrogen use efficiency	g/g	Insect nitrogen use efficiency	g/g	Bird nitrogen use efficiency	g/g	Mammal nitrogen use efficiency	g/g	Reptile nitrogen use efficiency	g/g	Amphibian nitrogen use efficiency	g/g
Soil texture	cm	Soil available phosphorus	g/kg	Plant phosphorus use efficiency	g/g	Insect phosphorus use efficiency	g/g	Bird phosphorus use efficiency	g/g	Mammal phosphorus use efficiency	g/g	Reptile phosphorus use efficiency	g/g	Amphibian phosphorus use efficiency	g/g
Soil depth	cm	Soil microbial biomass	g/kg	Plant carbon use efficiency	g/g	Insect carbon use efficiency	g/g	Bird carbon use efficiency	g/g	Mammal carbon use efficiency	g/g	Reptile carbon use efficiency	g/g	Amphibian carbon use efficiency	g/g
Soil temperature	°C	Soil respiration rate	g CO ₂ /m ² /h	Plant root:shoot ratio	g/g	Insect root:shoot ratio	g/g	Bird root:shoot ratio	g/g	Mammal root:shoot ratio	g/g	Reptile root:shoot ratio	g/g	Amphibian root:shoot ratio	g/g
Soil moisture	%	Soil enzyme activity	µg/min/g soil	Plant leaf:root ratio	g/g	Insect leaf:root ratio	g/g	Bird leaf:root ratio	g/g	Mammal leaf:root ratio	g/g	Reptile leaf:root ratio	g/g	Amphibian leaf:root ratio	g/g
Soil texture	cm	Soil microbial diversity	index	Plant seed:leaf ratio	g/g	Insect seed:leaf ratio	g/g	Bird seed:leaf ratio	g/g	Mammal seed:leaf ratio	g/g	Reptile seed:leaf ratio	g/g	Amphibian seed:leaf ratio	g/g
Soil depth	cm	Soil microbial biomass C	g/kg	Plant seed:root ratio	g/g	Insect seed:root ratio	g/g	Bird seed:root ratio	g/g	Mammal seed:root ratio	g/g	Reptile seed:root ratio	g/g	Amphibian seed:root ratio	g/g
Soil temperature	°C	Soil microbial biomass N	g/kg	Plant seed:stem ratio	g/g	Insect seed:stem ratio	g/g	Bird seed:stem ratio	g/g	Mammal seed:stem ratio	g/g	Reptile seed:stem ratio	g/g	Amphibian seed:stem ratio	g/g
Soil moisture	%	Soil microbial biomass P	g/kg	Plant seed:flower ratio	g/g	Insect seed:flower ratio	g/g	Bird seed:flower ratio	g/g	Mammal seed:flower ratio	g/g	Reptile seed:flower ratio	g/g	Amphibian seed:flower ratio	g/g
Soil texture	cm	Soil microbial biomass S	g/kg	Plant seed:seedling ratio	g/g	Insect seed:seedling ratio	g/g	Bird seed:seedling ratio	g/g	Mammal seed:seedling ratio	g/g	Reptile seed:seedling ratio	g/g	Amphibian seed:seed	

FIG. 3

